Ontario Ministry of Northern Development and Mines

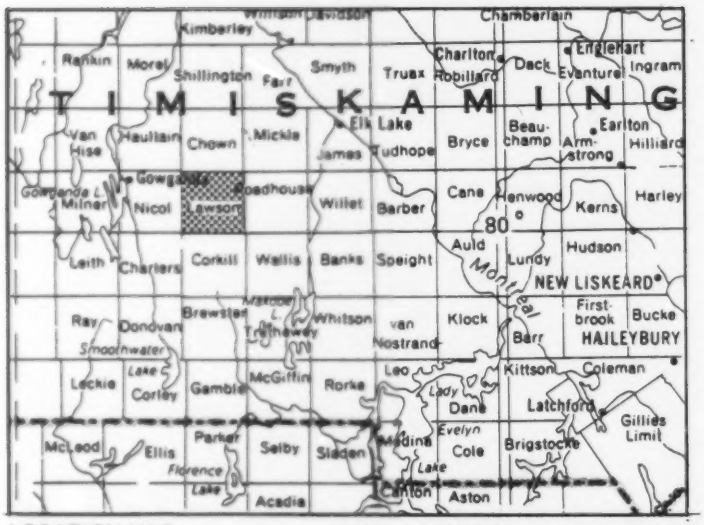
Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

GEOLOGICAL DATA INVENTORY FOLIO 514

LAWSON TOWNSHIP

Compiled by the Staff of
the Resident Geologist's Office
Cobalt



LOCATION MAP

Scale: 1:1 013 760 or 1 inch=16 miles

CANADA ONTARIO Mineral Development Exploration Minerale

This project is part of the five year Canada–Ontario 1985 Mineral Development Agreement (COMDA), a subsidiary agreement to the Economic and Regional Development Agreement (ERDA) signed by the governments of Canada and Ontario.

90-05619/

NTS Number 41 P/10

Mining Claim Map Number M.229

This project was funded under the Canada-Ontario Mineral Development Agreement (COMDA)

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey 1990. Lawson Township, Geological Data Inventory Folio 514; compiled by the staff of the Resident Geologist's office, Cobalt.

Original Compilation by: Patricia Anderson, March 14, 1989

Date	Page Revised	Revised by

Date	Page Revised	Revised by

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

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ACCOMPANYING MAPS

Property Location Map - Map 1 - Properties 1-14
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Exploration Data Map - Map 3

Map Scale 1:31 680 or 1 inch to ½ mile

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	D.P.A.
2	Assessment Files Research Office, Toronto	Yes	D.P.A.
3	ODM General Index; 9 Volumes	Yes	D.P.A.
4	Catalogue of Airborne Geophysical Surveys (ODM)	N.A.	D.P.A.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	D.P.A.
6	ODM Industrial Mineral Reports	Yes	D.P.A.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	D.P.A.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	No	D.P.A.
9	Newspaper Clippings File	Yes	D.P.A.
10	GSC Index to Publications	Yes	D.P.A.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	D.P.A.
12	OGS Index Maps	Yes	D.P.A.
13	Source Mineral Deposit Records (O.G.S.)	No	D.P.A.
14	Author - Subject Articles File	Yes	D.P.A.
15	Miscellaneous Papers: ODM & OGS	No	D.P.A.
16	ODM Geological Circulars: OGS Study Series	Yes	D.P.A.
17	ODM Preliminary Reports: ODM Bulletins	Yes	D.P.A.
18	ODM – OGS Open File Reports	Yes	D.P.A.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	D.P.A.
20	OGS Aggregate Resources Inventory Papers	N.A.	D.P.A.
21	OGS Mineral Potential Maps	Yes	D.P.A.
22	Theses on File, Cobalt	Nc	D.P.A.
23	Aerial Photographs on File, Cobalt	Yes	D.P.A.

METALS AND MINERALS REFERENCES LIST

△ anh. . . . . .Anhydrite
△ ank. . . . . .Ankerite
△ anna . . . . . Annabergite
△ ap. . . . . .Apatite
▲ arg . . . . . Argentite
△ As . . . . . .Arsenic
▲ asp . . . . . .Arsenopyrite
△ asb . . . . . .Asbestos
▲ ba. . . . . .Barite
△ be. . . . . Beryl
△ Bi. . . . . .Bismuth
▲ bn . . . . . .Bornite
△ bran . . . . . .Brannerite
△ bruc . . . . . .Brucite
△ Cd . . . . . Cadmium
△ calc. . . . . Calcite
△ carb . . . . . .Carbonate
△ cel . . . . . .Celestite
△ cc. . . . . .Chalcocite
▲ cp. . . . . .Chalcopyrite
△ ch. . . . . .Chert
△ clay . . . . . .Clay
▲ Co . . . . . Cobalt
△ cob. . . . . Cobaltite
△ cb. . . . . .Columbite
▲ Cu . . . . . .Copper
△ cor . . . . . Corundum
△ dol . . . . . Dolomite
△ ep. . . . . Epidote
△ ery . . . . . Erythrite
△ fel . . . . . .Feldspar
△ fl . . . . . .Fluorite (flurospar)
△ fu. . . . . .Fuchsite
▲ gn. . . . . .Galena
△ gt. . . . . .Garnet
△ goe . . . . . .Goethite
△ Au . . . . . Gold
△ gf . . . . . .Graphite
△ gl . . . . . Gravel
△ gyp. . . . . Gypsum
△ hem . . . . . Hematite
△ il . . . . . Ilmenite
△ Fe . . . . . .Iron
△ IF. . . . . Iron Formation
△ jas . . . . . Jasper
△ kaol . . . . . .Kaolinite (kaolin)
△ ky . . . . . Kyanite
△ Pb . . . . . Lead
△ lim . . . . . Limonite
△ Li. . . . . Lithium
△ mgst . . . . . Magnesite
▲ mag . . . . . Magnetite
△ mc . . . . . Malachite
△ Mn . . . . . Manganese
△ mb . . . . . Marble
△ mar. . . . . Marcasite
△ ma . . . . . .Marl
△ mi . . . . . Mica
△ ml . . . . . Millerite
△ mo . . . . . Molybdenite
△ Mo . . . . . .Molybdenum
△ mon . . . . . Monazite
△ ne. . . . . Nephelite (nepheline)
△ nc. . . . . .Niccolite
△ Ni. . . . . Nickel
△ Nb . . . . . .Niobium
△ Pd . . . . . Palladium
△ peat . . . . . .Peat
△ pent . . . . . Pentlandite
△ Pt. . . . . .Platinum
▲ py . . . . . .Pyrite
△ pyl . . . . . Pyrochlore
△ pyrl . . . . . .Pyrolusite
△ po . . . . . .Pyrrhotite
△ q . . . . . Quartz
△ qcv . . . . .Quartz carbonate vein
△ ra. . . . . .Radioactive minerals
△ RE . . . . . .Rare Earths
△ sd. . . . . Sand
△ sgl . . . . . Sand and gravel
△ ss . . . . . .Sandstone
△ scap . . . . . Scapolite
△ shee . . . . . .Scheelite
▲ serp . . . . . Serpentine
△ sh. . . . . Shale
△ sid . . . . . Siderite
△ si . . . . . Silica
▲ Ag . . . . . .Silver
△ sl . . . . . Slate
△ sm . . . . . .Smaltite
△ sod . . . . . Sodalite
△ spec . . . . . Specularite
△ sp. . . . . .Sphalerite
△ spd . . . . . .Spodumene
△ staur . . . . . .Staurolite
△ stib. . . . . Stibnite
△ st . . . . . .Stone
△ talc . . . . . .Talc
△ Te . . . . . .Tellurium
△ td. . . . . Tetrahedrite
△ th. . . . . .Thorite
△ Th . . . . . .Thorium
△ thuc . . . . . Thucholite
△ ti . . . . . Titanite
△ Ti. . . . . Titanium
△ tour . . . . . .Tourmaline
△ trap . . . . . .Trap rock
△ W . . . . . Tungsten
△ uran . . . . . Uraninite
△ U . . . . . .Uranium
△ verm . . . . . .Vermiculite
△ Y . . . . . Yttrium
△ Zn . . . . . .Zinc
△ zr . . . . . Zircon

▲act. . . . . Actinolite
▲S. . . . . Sulphides
▲f-m. . . . . Ferro-magnesian minerals

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps or listed in Drillhole Summary.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A.	Bishop, Caleta & Keora Mine	Ag		MRC 10, p. 369, 386-387 ODM Ag 1176001 T 0271 NMI 41P/10 Ag5	Past producer: 1911 shipped $7,000 of ore, about 12,000 oz. Ag 1926 reported 760T ore averaging 40 oz/T Ag. ODM 1926, AR Vol. 35, pt. 3, p. 48 and Map 35d ODM 1965, Map P.311 OGS 1968, Map 2150 Financial Post Survey of Mines, 1928, p. 205
B.	Powerful	Ag, Co			ODM 1926, AR Vol. 35, pt. 3, p. 48 and Map 35d ODM 1968, Map 2150
C.	Eby (Scott)	ba		T 0272	OGS 1968, GR 62, pp. 40-41 and Map 2150 ODM 1963, IMR 10 pp. 19-21 and Fig. 8 Canada Dept. Mines 1922, Mines Branch No. 570, p. 40

GDIF FORM NO. 1

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
	COMPANY/AUTHOR (file number)																			
1	Aubin			?																
2a	Bishop Silver Mines Ltd. Caleta Property (L.O. 357, L.D. 358)																			
	Calcite Lake Mining Co., shaft						07-12													
	Caleta Silver Mines Ltd.						13-14													
	Porcupine Keora Mining Co. Ltd., 1923			24			25													
	Gowganda Keora Silver Mines Ltd., production						25-26													
	Keora Mines Ltd.						26													
	Central Milner Mines Ltd. (MR 29729) (probably 1953) (4)																			
	New West Amulet Mines Ltd. option from J. Sweet (15)																			

GDIF FORM NO. 2

(#) See numbered property for additional data

LAWSON TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
2a cont.	Caleta Property Fleetwood Financial Corp. Ltd., 1963, 11 claims Levega Mines Ltd., 1963 (9)																			
2b	Bishop Property Bishop Silver Mines of Canada Ltd., T.C. 136, shaft						09 20													
2c	Bishop Property Bishop Silver Mines of Canada Ltd., L.O. 313, adit						15-18													
3	Carlson, Gus							64												

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																	
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
4	Central Milner Mines Ltd., Keora Mine				52 53 55															
5	Halstead, M.C.				50															
6	Hoskiw, M.E.				61															
7	Jacmar Explorations Ltd.				63							63								
8	Keevil Mining Group				66															
9	Powerful Mine Adit (OGS AR Vol. 35, pt. 3, p. 48)	53				53	pre 16	62 53												

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	OPEN PIT MINE		
COMPANY/AUTHOR (file number)																				
10	Gowganda Silver Mines Ltd., Nicol, Haultain, Milner, Lawson, Chown & Van Hise Tps., Groups A & D		68					72 71 70 69 68				69								
11	Reef Explorations Ltd., Keora (No. 5) group				57															
12	Norton				55- 56															
13	John Pollack, Eby or Scott claim See OGS 1968, GR 62, pp. 40-41			70	70			70												
	Eby, H.D., pre 1920 Mines Branch, Ottawa					22														
	H.D. Eby & Co.																	39- 40		
	Dyer, W.S. (1940, p. 4) (no data available)				40															

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
14	Levega Mines Ltd., 1964-1966 Lawson, Chown & Haultain Tps.				64	64	64	64												
15	New West Amulet Mines Ltd. Haultain, Chown & Lawson Tps.				62	62		62												
16	MacGregor, R.A., Lost Lake AFRO #2.2321 Haultain, Chown & Lawson Tps.		77		80-81			77 81				77	77							
17	Sanderson, J.W. Lawson, Haultain, Chown & Nicol Tps.																			

GDIF FORM NO. 2

COMPANY/AUTHOR (file number)	TYPE OF WORK: GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT	Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
17																			
Sanderson, J.W. (cont.) optioned by Stewart Troop optioned by Wigwam Mining Co.			22 23			22 22 23													

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
1	Central Milner Mines Ltd.	1	1952	West	-45	2	201	cp	
		2	1952	S30W	-48	5	281	py, act, arg	
		3	1952	East mag.	-60	2.5	257		
		4	1952	S30W	-61	5	253	act, gn	
2	Central Milner Mines Ltd.	1	1953	N60E	-53	0	170	py	
		2	1953	N57W	-50	0	110	cp, Ag	
		3	1953	W10N	-50	0	137	cp, asp	
		4	1953	W5S	-50	0	85	py	
3	Central Milner Mines Ltd.	1	1955	S12E	-43	0	26		
		2	1955	S5E	-53	0	29		
		3	1955	S67E	-49	0	26.6		
4	Central Milner Mines Ltd.	4	1955	S80E	-52	0	56		
		5	1955	S75E	-48	0	43		

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
5	Halstead, M.C.	1	1950	N	-45	4	52		
		2	1950	W	-55	3	112	cp, gn	
		3	1950	NW	-45	5	206		
		4	1950	W	-60	8	240		
6	Hoskiw, M.E.	1	1961	S57E	-38	0	101	py, cp, serp	
7	Jacmar Explorations Ltd.	1	1963	N	-45	6	427	py	
		2	1963	S	-50	9	476		
8	Keevil Mining Group	1	1966	N50E	-45	6	103		
		2							
9	Keevil Mining Group	3	1966	N20W	-45	14	150		
		4	1966	S40E	-45	18	151		
10	Keevil Mining Group	5	1966	N35W	-45	18	150		
		6	1966	N50W	-45	18	135		

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
11	Reef Explorations Ltd.	1	1957	W	-60	0	40		
12	Norton	1	1955-1956	N10W	-60	10	701		
13	Norton	2	1956	N	-50	16	714	cp, py	
14	Norton	3	1956	E	-50	7	386	cp, py	
		4	1956				145		
15	Norton	5	1956	N	-60	10	305	cp, py	
16	Pollack, John	one	1970		-60	0	70	S, py, cp,ba	
17	Levega Mines Ltd.	64-1	1964	W	-45	6	334	cp,S,arg,gn	Ag,Cu
		64-2	1964	N42E	-45	6	312	cp,arg	Ag
		64-3	1964	W	-60	6	304	cp	Ag
		64-4	1964	N42W	-45	6	352	cp	Ag
18	Levega Mines Ltd.	64-5	1964	N	-45	11	351	cp	Ag
		64-6	1964	S40E	-45	6	200	cp	Ag
		64-7	1964	N42W	-45	6	352	Co	Ag
		64-8	1964	N40W	-45	4	354	S	
		64-9	1964	N40W	-45	6	349		
		64-10	1964	N40W	-45	6	354	cp	Ag
19	Levega MInes Ltd.	64-11	1964	N50W	-55	16	347	cp, py	Ag
20	New West Amulet Mines Ltd.	62-1	1962	260	-40	7	472	mag,py,cp,Ag bn	Ag
		62-2	1962	098	-45	5	434	mag,py,cp,f-m	Ag

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
21	New West Amulet Mines Ltd.	62-3	1962	135	135	5	421	cp,mag	Ag
22	MacGregor, R.A.	80-1	1980	307	-45	8	205	S,asp,py	
		80-2	1980	307	-45	15	203	py,cp,mag	
		80-3	1980		-45	9	204	mag,cp,py,bn	
		80-4	1980	307	-45	7	247	py,cp,asp,mag	
		80-5	1980	307	-45		200	mag,Ag	
23	MAcGregor, R.A.	80-6	1980	307	-45	14	200	S,mag,py	
24	MacGregor, R.A.	80-7	1981	307	-45	65	65		

GDIF FORM NO. 3

LAWSON TOWNSHIP

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
	Data for "Thickness of Overburden" and "Total Length of Hole" are given in feet.								

GDIF FORM NO. 3

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
	No data available as of March 14, 1989.				

GDIF FORM NO. 4

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
1	"A" soil horizon samples analysed for Ag & Co	Ag, Co, Cu, Zn, Ni	Assayers Ltd.	Lawson Tp. AF MacGregor, R.A.
	"B" soil horizon samples analysed for Cu, Zn, Ni			
2	"B" horizon soil samples	Ag by hot acid extraction method	Warnock Hersey International Ltd.	Nicol Tp. AF Gowganda Silver Mines Ltd.

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result
A.	Rb/Sr	Diabase	MRC 10, p. 386	2150 m.y.
	Rb/Sr	One	MRC 10, p. 386	2150 m.y.

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office, Cobalt.

Gowganda Silver Mines Ltd.
Levega Mines Ltd.
Reef Explorations Ltd.
Wigwam Mining Co.

ODM GENERAL INDEX SEARCH

Words searched:

Aubin
Barite
Barytes
Bear River
Bishop Silver Mines Ltd.
Bishop Silver Mines of Canada Ltd.
Calcite Creek
Calcite Lake
Calcite Lake Mining Co.
Caleta Silver Mines Ltd.
Carlson, Gus
Central Milner Mines Ltd.
Coldspring Creek
Dyer, W.S.
Eby,H.D.
Eby, H.D. & Co.

Index Volume	Listing:	Report Volume	Part	Page
	*Out of Print			
1	Barytes			
	Timiskaming dist:			
	Gowganda reg.	*19	2	98
	Bear River, Montreal river	*16	2	117,129
		*17		56,57
	Bishop Silver Mine, near Gowganda	*19	1	117
		*19	2	180
	Bishop Silver Mines of Canada Ltd.			
	officers of	*25	1	124
	Calcite Lake, Nicol and Lawson tps.	*19	2	186
	Arkose near	*18	2	10
	Diabase on	*18	2	1
	Mining on	*18	2	2
		*19	1	52
		*21	1	50
		*25	1	124
	Calcite Lake Mining Co.			
	Work by	*23	1	156
	Calcite Lake Silver Mine, Lawson tp.			
	Accidents	*21	1	66,79
	Mining notes	*21	1	149
		*25	1	124

ODM GENERAL INDEX SEARCH

Words searched:
Fleetwood Financial Corp. Ltd.
Gowganda Keora Silver Mines Ltd.
Gowganda Silver Mines Ltd.
Halstead, M.C.
Hoskiw, M.E.
Jacmar Explorations Ltd.
Keevil Mining Group
Keora Mines Ltd.
Lawson Creek
Lawson Township
Leta Lake
Levega Mines Ltd.
Longpoint Lake
Lost Lake
MacGregor, R.A.
Martin Lake

Index Volume	Listing:	Report Volume	Part	Page
1	Caleta Silver Mines Ltd.			
	Non-producing	*23	1	19
	Work by	*23	1	156
	Gowganda Silver Area, Tim.			
	Barite	*19	2	9
	Geology	*18	2	4-12
		*19	2	168-179
	Maps, coloured, geological with	*18	2	
	with	*19	2	
	with	*20	2	
	plans of surveyed claims	*18	2	14,15
	sketch	*19	2	166
	Reports on, by Burrows	*18	2	
		*19	2	165-186
	Rocks			
	compared with Cobalt area	*22	2	132
	diabase and Cobalt series	*19	2	45,78, 101
	cut by aplite dikes	*19	2	104
	Timiskaming series	*19	2	62,113
	Silver, compared with Cobalt area	*18	1	16
	mining notes	*19	1	21, 117-119
		*19	2	179-186
		*21	1	116,149, 150
		*22	1	110,124, 125
		*23	1	156,157
		*24	1	128,129
		*25	1	124,125
	producing mines	*25	1	11

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

New West Amulet Mines Ltd.
Norton
Pollock, John
Porcupine Keora Mining Co. Ltd.
Powerful Development Co.
Powerful Silver Mine
Powerful Mining Co.
Reef Explorations Ltd.
Sanderson, J.W.
Scott
Silk, F.H.
Silver Diadem Mines Ltd.
Sweet, J.
Sydney Lake
Troop, Stewart
Wallis Creek

Index Volume	Listing:	Report Volume	Part	Page
1	Gowganda Silver Area, Tim. (cont.)			
	production: (1912)	*19	2	36
		*22	1	12
	(1913)	*23	1	11
	(1914)	*24	1	14
	(1915)	*25	1	10
	shipments (ore) (1909)	*19	1	92
	Trees	*19	2	168
	Water-power	*24	1	6
	Lawson Tp., Tim.			
	Barite	*19	2	9
	Included in Gowganda mg. div.	*18	1	47
	Silver mining	*25	1	125
	See also Caleta silver m.			
	prospecting	*18	2	2
	Slate, ferruginous	*18	2	10
	Lost Lake, Haultain tp.			
	Road access, photo	*18	2	5
	to, fires near	*18	2	3
	Road on and near:			
	breccia	*19	2	174
	diabase	*18	2	1,8
		*19	2	178
	granophyre, analysis	*19	2	104
	Silver prospecting	*17		48
	Porcupine Keora Mining Co.			
	Capital and date of charter	*21	1	47

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:
Wigwam Mining Co.
Wilson Creek

Index Volume	Listing:	Report Volume	Part	Page
1	Powerful Development Co.			
	Officers of	*25	1	125
	Work of, Lawson tp.	*25	1	125
	Powerful Silver Mine, near Calcite lake	*19	2	186
	Producing	*19	1	116
	Work at (1911)	*21	1	150
	(1912)	*22	1	125
	Powerful Mining Co.			
	Capital and date of charter	*20	1	51
	Sanderson, J.W.	*17		48
2	Barite			
	Gowganda s. veins	*31	2	336
	Bishop Silver Mine, Lawson tp.			
	Map showing location	*30	3	22
	See also map 39b with	*30	3	
	Operations	*24		1
		*27	1	129
		*30	3	35
		*35	3	48
	Bishop Silver Mines of Canada Ltd.			
	Operations. See Bishop s.m., Lawson tp.; Bishop s.m., Milner Tp.			
	Calcite Lake, Lawson and Nicol tps.			
	Parellelism with lakes in region	*35	3	2
	Rocks. See map 30b with	*30	3	

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
2	Calcite Lake (cont.)			
	Silver, discovery	*29	3	77
	exploratory work	*30	3	35
	Calcite Lake Silver Mine, Lawson tp.			
	Description	*35	3	48
	Production (1911)	*30	3	4
		*35	3	5
	Shipments	*31	2	28
	See also Gowganda Keora s.m.			
	Calcite Lake Mining Co.			
	Caleta s.m., operated by	*30	3	35
	Gowganda-Keora s.m., operated by	*30	3	48
	Caleta Silver Mine, Lawson tp.			
	Map showing location	*30	3	22
	Operations, minerals	*30	3	35
	Caleta Mining Co.			
	Gowganda Keora s.m., worked by	*35	3	48
	Gowganda Silver Area, Tim.			
	Cobalt minerals	*27	3	28
	Diabase, description	*31	2	351,352
	relation to silver	*31	2	8,10
	Geology	*29	3	78-81
		*30	3	5-20
	formational table	*31	2	336
	Huronian, Collins views	*31	2	342
	producing veins in	*31	2	335

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
2	Gowganda Silver Area, Tim. (cont.)			
	Map, index	*30	3	vi
		*31	2	x
	showing claims	*29	3	78,79
		*30	3	22
	(geologically coloured) with	*30	3	
		*35	3	
	Mining reports (1916)	*16		131
	(1917)	*27	1	131
	(1918)	*28	1	150-153
	(1919)	*29	1	106-109
	(1920)	*29	3	81-88
		*30	1	123-125
	(1921)	*30	3	23-46
		*31	10	57,58
	(1922)	32	6	79,80
	(1923)	33	7	86-88
	(1924)	34	1	152-158
	(1925)	35	1	147-149
	Reports on by A.G. Burrows	*29	3	77-88
		*30	3	1-48
		*35	3	1-61
	Scapolite described	*31	2	352
	Silver, discovery	*30	3	45
	from upper contact	*31	2	7
	mg. See above mining reports			
	ores and concentrates,tonnage shipped to 1922	*31	2	28
	origin	*30	3	20
	production (1916)	*26		13
	(1917)	*27	1	13
	(1918)	*28	1	15
	(to 1919)	*29	3	77
	(1920)	*30	1	10
	(1921)	31	1	8,11
	(1922)	32	1	9,12
	(to 1922)	*31	2	18
	(1923)	33	1	8,10
	(1924)	34	1	16
	(1925)	35	1	19

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
2	Gowganda-Keora Silver Mines Ltd.			
	See also Keora s.m.			
	Capital, officers	35	1	147
	Keora Silver Mine, Gowganda			
	Non-producing	35	1	23
	Operations	35	1	76,147
	Lawson Tp., Tim.			
	Barite	*27	3	26
		*28	1	48
	See also Silk, F.H.			
	Silver claims, description	*30	3	35
	Map	*30	3	22
	See also following claims:			
	Bishop; Caleta; Powerful; Sanderson			
	Long Point Lake, Chown and Lawson tps.			
	Map geological. See map 30b with	*30	3	
	Lost Lake, Haultain tp.			
	Section from, to Burke 1. See map 30b with	*30	3	
	Silver mg. See Wigwam s.m.			
	Powerful Silver Mine, Lawson tp.			
	See also Silver Diadem Mines Ltd.			
	Description and Workings	*30	3	35
	Machinery removed	34	1	156
	Map showing location	*30	3	22

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
2	Powerful Silver Mine, Lawson tp.(cont.)			
	Production	*30	3	4
	Shipments (1910-22)	*31	2	28
	Sanderson, J.W.			
	of Wigwam Mg. Co.	*33	7	10,88
		34	1	69,158
		35	1	76,166
	Sanderson Silver Mine, Lawson tp.			
	Map showing location	*30	3	22
	Operations (1921)	*31	10	58
	(1922)	32	6	10,80
	(1923)	*33	7	11,88
	Silk, F.H.			
	Barite mg. Lawson tp.	*30	1	22
	Silver Diadem Mines Ltd.			
	Capital and date of charter	*29	1	55
	Powerful s.m. worked by	*29	1	109
	Troop, Stewart			
	of Sanderson silver claims	*31	10	58
		32	6	11
	of Wigwam Mg. Co.	32	6	80
	Wigwam, Lawson tp.			
	Silver mg. near. See Sanderson s.m.			

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ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
3	Calcite Lake, Lawson tp.			
	Silver mg. See Gowganda-Keora Silver Mines			
	Eby, H.D.			
	Barite mining, Lawson tp.	49	1	61
	Gowganda Keora Silver Mines Ltd.			
	Operations (1926)	*36	1	159
	Lawson Tp., Tim.			
	Barite mg.	49	1	35,61
	Silver mg.	*36	1	159
	Sanderson, J.W.			
	of Wigwam Silver Mines	*36	1	177
	Wigwam Silver Mines Ltd.			
	Operations (1926)	*36	1	177
4	Central Milner Mines Ltd.			
	Incorporated	57	1	46
5	Lawson Tp., Tim.			
	Rocks	64	5	8
	See also map 1955-3 with	64	5	
	Lost Lake, Haultain tp.			
	Diabase sill	64	5	5,13
	Granophyre, notes and photomicrograph	64	5	18,19, 30

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
7	Lawson Township, Tim.			
	Barite occurrence, notes and plan	IMR 10		19-21
8	Barite			
	Lawson Tp., Timiskaming Dist.	GR 62		40-41
	Bishop Mine			
	Lawson Tp., Timiskaming Dist.			
	mining porperty, report on	MRC 10		386-387
	Caleta Mine			
	Lawson Tp., Timiskaming Dist.			
	mining property, report on	MRC 10		386-387
	Eby Claim			
	Lawson Tp., Timiskaming Dist.			
	mining property, report on	GR 62		40-41
	Keora Mine			
	Lawson Tp., Timiskaming Dist.			
	mining property, report on	MRC 10		386-387
	Lawson Tp., Timiskaming Dist.			
	barite	GR 62		40-41
	Geology of the Elk Lake area	GR 62		
	silver	MRC 10		386,411
	Levega Mines Ltd.			
	Lawson Tp., Timiskaming Dist.			
	report on Bishop, Caleta & Keora Mines	MRC 10		386

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ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
8	Longpoint Lake			
	Chown & Lawson Tps., Timiskaming Dist.	GR 62		3,17, 40
	Scott Claim			
	Lawson Tp., Timiskaming Dist.			
	mining property, report on	GR 62		40-41
9	Barite			
	Lawson Tp., Timiskaming Dist.	MP 70		58
	Calcite Creek			
	Nicol Tp., Timiskaming Dist.	GR 175		42
	Calcite Lake			
	Nicol Tp., Timiskaming Dist.	GR 175		35,123
	Gowganda Silver Mines Ltd.			
	Haultain Tp., Timiskaming Dist.			
	report on Wigwam L. Group	GR 175		97
	Nicol Tp., Timiskaming Dist.			
	report on E. Nicol group	GR 175		123
	Lawson Tp., Timiskaming Dist.			
	barite	MP 70		58

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
9	Lost Lake Group Haultain Tp., Timiskaming Dist. report on property	GR 175		86

GDIF FORM NO. 8

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		*Out of Print		
Andrews, A.J.	1986	Silver vein deposits: summary of recent research	Canadian Journal of Earth Sciences, Vol. 23, No. 10	pp. 1459-1462
Andrews, A.J., Masliwec, A., Morris, W.A., Owsiacki, L. and York, D.	1986	The Silver Deposits at Cobalt and Gowganda Ontario. II: An experiment in age determination employing radiometric and paleomagnetic measurements	Canadian Journal of Earth Sciences, Vol. 23, No. 10	pp. 1507-1518
Andrews, A.J., Owsiacki, L., Kerrich, R. and Strong, D.F.	1986	The Silver Deposits at Cobalt and Gowganda Ontario. I: Geology, petrography and whole-rock geochemistry	Canadian Journal of Earth Sciences, Vol. 23, No. 10	pp. 1480-1506
Burrows, A.G.	1926	Gowganda Silver Area (4th Report, Revised), Timiskaming Dist., Ont.	ODM AR, 1926, Vol. 35, pt. 3	pp. 1-61
Burrows, A.G.	1926		ODM Map 35d	1:31 680
Collins, W.H.	1909	Preliminary Report on the Gowganda Mining Division, District of Nipissing, Ont.	*GSC Separate Report 1075 *GSC Map 1076	 1:63 360
Collins, W.H.	1914	The Geology of the Gowganda Mining Division	*GSC Memoir 33 *GSC Memoir 64A	 1:63 360
Easton, R.M.	1986	Geochronology of Ontario, Part 1: Compilation of Data	OFR 5592	179 p.

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Author	Date	Title	Reference	Map Scales and/or Report Pages
Fortescue, J.A.C.	1985	Preliminary Studies of Lake Sediment Geochemistry in an Area Northeast of Sudbury, NTS 41I/15, 41P/2,7+10, Sudbury + Tim. Dist.	OGS Geoph-Geoch Map 80 756	1: 100 000
Ginn, R.M.	1964	Timmins-Kirkland Lake Sheet, Cochrane, Sudbury & Temiskaming Dist. Ont., Geological Compilation Series	ODM Map 2046	1:253 440
Goodz, M.D., Watkinson, D.H., Smejkal, V. and Pertold, Z.	1986	Sulphur-isotope geochemistry of silver-sulpharsenide vein mineralization, Cobalt, Ont.	Canadian Journal of Earth Sciences, Vol. 23, No. 10	pp. 1551-1567
GSC	1956	Aeromagnetic Map, Gowganda, Ontario	GSC Map 284G	1:63 360
Guillet, G.R.	1963	Barite in Ontario	ODM I.M.R. No. 10	pp. 19-21 and Fig. 8
Gupta, V.K. Wadge, D.R.	1980	Bouger Gravity and Generalized Geological Map, Temagami-Englehart Area, NTS 31M/W, 41P/E, Timiskaming + 2 AL Dists., Ont.	OGS Map P.2296	1:100 000
Gupta, V.K.	1981	Bouger Gravity and Generalized Geological Map of Gogama-Gowganda Area, NTS 41P, Timiskaming & Sudbury Dists., Ont.	OGS Map P.2481	1:100 000
Hunter & Assoc. Ltd.	1984	Peat and Peatland Evaluation of the New Liskeard Area, NTS 31M/2 + 41P/E, Timiskaming + 2 other Dists.	OGS OFR 5486	3 volumes
Kerrich, R., Strong, D.F., Andrews, A.J. and Owsiacki, L.	1986	The Silver Deposits at Cobalt and Gowganda, Ontario. III: Hydrothermal regimes and source reservoirs - evidence from H,O,C and SR isotopes and fluid inclusions	Canadian Journal of Earth Sciences, Vol. 23, No. 10	pp. 1519-1550

GDIF FORM 40.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Kretschmar, U. Kretschmar, D.	1980	Talc, Magnesite and Asbestos Deposits in the Kirkland Lake-Timmins Area, NTS 31M, 32D, 41O, 41P, 42A, 42B, Timiskaming + 2 AL Dists.	OGS OFR 5310	
Kretschmar, U. Kretschmar, D.	1986	Talc, Magnesite and Asbestos Deposits in the Timmins-Kirkland Lake Area, Timiskaming & Cochrane Dists.	OGS Study 28	
Long, D.G.F. Leslie, C.A.	1986	The Placer Gold Potential of the Early Aphebian Gowganda Formation along the Northern Margin of the Cobalt Embayment, Ontario, with Comments on Associated Concentrations of Silver and Copper	OGS OFR 5608	
Legun, A.	1984	Huronian Stratigraphy and Sedimentation in the Cobalt area, NTS 31M/W + 41P, Ont.	OGS OFR 5508	
Mackean, B.E.	1965	Lawson Township, District of Timiskaming, Ont.	ODM Map P.311	1:15 840
Mackean, B.E.	1967	Geology of the Elk Lake Area, District of Timiskaming, Ont.	ODM OFR 5006	
Mackean, B.E.	1968	Geology of the Elk Lake Area, District of Timiskaming, Ont.	ODM GR 62	
Mackean, B.E.	1968	Chown and Lawson Townships, Timiskaming Dist., Ont.	ODM Map 2150	1:31 680

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Author	Date	Title	Reference	Map Scales and/or Report Pages
Mansinha, L. Wilkinson, D.A.	1983	Grant No. 109: Interpretation of Gravity Data from New Liskeard, NTS 31M/W, 41P/E, Ont.	OGS OFR 5440	
MNR	1982	Ontario Basic Maps	MNR Maps 21 17 5200 52700 20 17 5200 52600 20 17 5300 52700 20 17 5300 52600	1:20 000
MNR		Lawson Township Claim Map	MNR Map Plan No. M.229	1"=40 ch.
Moore, E.S.	1956	Geology of the Miller Lake Portion of the Gowganda Silver Area, Timiskaming Dist., Ont.	ODM AR, 1955, Vol. 64, pt. 5	
Moore, E.S.	1956	Gowganda Silver Area, District of Timiskaming, Ont.	ODM Map 1955-3	1:31 680
OGS	1979	Airborne Gamma-Ray Spectrometry Maps and Profiles	OGS Geoph-Geoch Maps 80372-80410	1:250 000
Parks, W.A.	1907	The Geology of a District from Lake Timiskaming Northward	*GSC Summary Report 1904 Vol. XVI, pt. A	pp. 198-225
Pyke, D.R. Ayres, L.D. Innes, D.G.	1973	Timmins-Kirkland Lake Geological Compilation Series, Cochrane, Sudbury & Timiskaming Dists., Ont.	ODM Map 2205	1:253 440

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Redman, J.D. Strangway, D.W.	1986	Ontario Geoscience Research Grant Program, Grant No. 118, Surface Electromagnetic Mapping in Northern Ontario	OGS OFR 5615	
Reid, J.A.	1943	Mineral Resources of the Timiskaming Silver-Cobalt Area, Ont.	ODM Bulletin No. 134	
Roed, M.A.	1980	Elk Lake Area, NTS 41P/NE, Timiskaming Dist., Ont.	NOEGTS 83	
Roed, M.A. Hallett, D.R.	1980	NOEGTS Data Base Map, Elk Lake, NTS 41P/NE, Timiskaming Dist., Ont.	OGS Map 5020	1:100 000
Savage, W.S. Thomson, R. Fenwick, K.G.	1962	Elk Lake-New Liskeard Sheet, District of Timiskaming, Ont.	ODM Map P.159	1:126 720
Spence, H.S.	1922	Barium and strontium in Canada	Can.Dept.Mines, Mines Branch No. 570	p. 40
Springer, J.	1977	Ontario Mineral Potential, Gogama Sheet + part of Ville Marie Sheet, NTS 41P, 31M/W, Timiskaming & Sudbury Dists., Ont.	OGS Map P.1514	1:250 000
Surveys and Mapping Branch, EMR	1976	Gowganda, Ont.	NTS 41P/10	1:50 000
Symons, D.T.A. Stupavsky, M.	1983	Grant No. 143: Analysis of Aeromagnetic Anomalies over Algoman-Type Iron Formations	OGS OFR 5476	

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Author	Date	Title	Reference	Map Scales and/or Report Pages
Thorpe, R.I., Goodz, M.D., Jonasson, I.R. and Blenkinsop, J.	1986	Lead-isotope study of mineralization in the Cobalt Dist., Ont.	Canadian Journal of Earth Sciences, Vol. 23, No. 10	pp. 1568-1575
Todd, E.W.	1926	Gowganda Vein Minerals, Timiskaming Dist., Ont.	ODM AR, 1926 Vol. 35, pt. 3	pp. 62-78
Vos, M.A., Abolins, T., McKnight, R.L.W. and Smith, V.	1987	Industrial Minerals of Northern Ontario	OGS MDC 26	

GDIF FORM NO.9

NOTES AND ADDENDA

The exploration data map shows only the most important minerals found at each site. All the minerals noted are listed in the mineral occurrences or the drill hole data.

On the maps, only the areas for which work has been submitted to the Ministry are shown and thus a company may hold, or have held in the past, more ground than is shown.

The Keora Mine shipped $7,000 of ore in 1911 and about 12,000 oz. of Silver in 1926.

The township was closed to staking in 1978 due to the Bear Island Indian Caution.

AIR PHOTOS - on file in Cobalt

1" = ¼ mile for 1946 and 1959.

Air photos can also be viewed at or purchased from the Public Service Centre, Room 1640, Whitney Block.

Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGIC

PROPERTY LOCA

GEOLOGICAL DATA INVEN

(Map 1 of

LAWSON TO

Scale 1:31 6

Kilometre 0.5 0 0

Mile 0.5 0

80°35'

Longpoint Lake

Lawson

560

Beor

Wallis

Sydney

Martin L.

Wilson Cr.

Calcite

7,9

10

2a

2b

5

11

4

4

10

7,9

12

10

6

10

2c

13

12

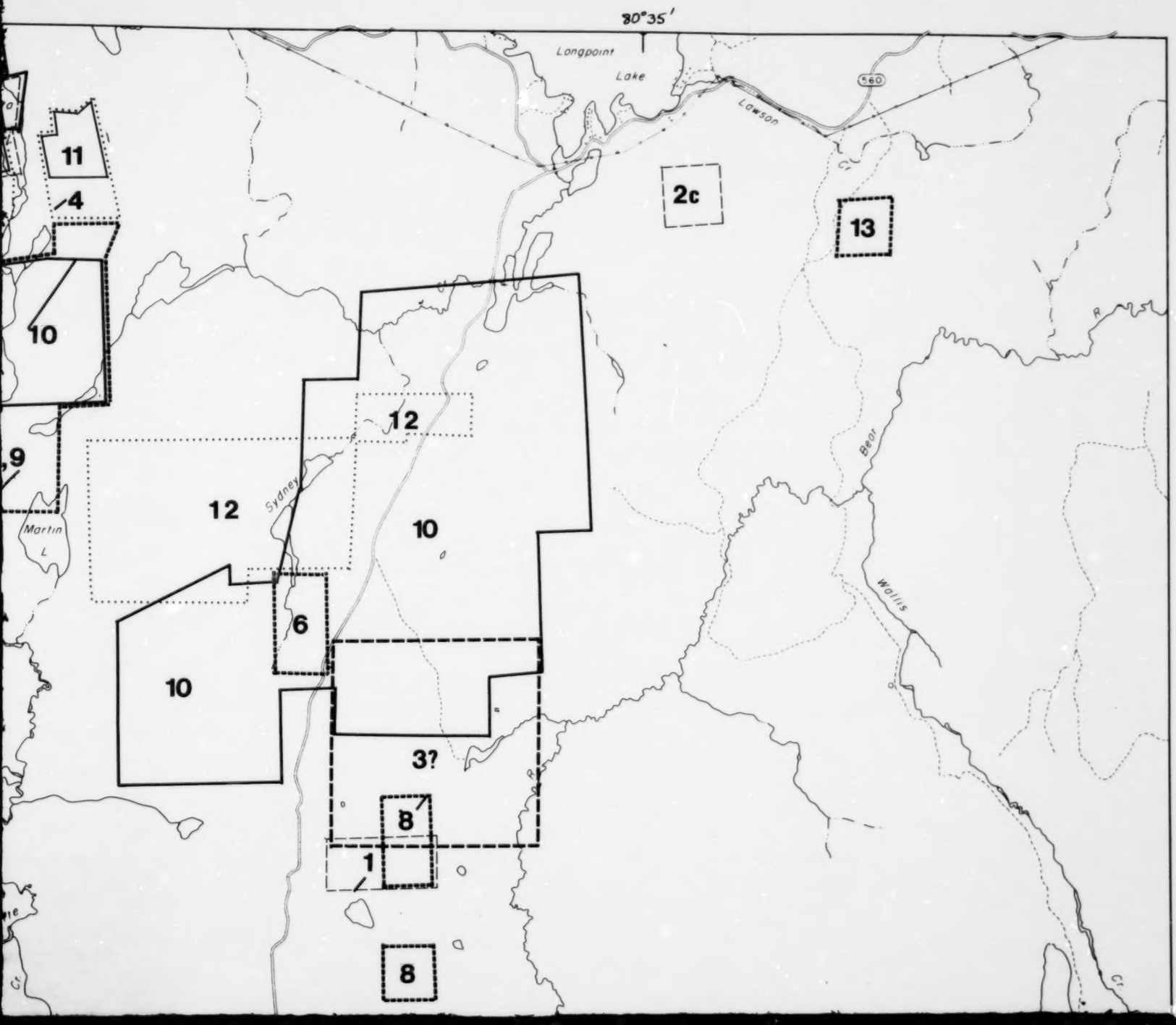
10

3?

8

1

8



Ministry of Northern Development and Mines

Mines and Minerals Division

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 514

(Map 1 of 3)

LAWSON TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

LAWSON TO

Scale 1:3

Kilometre 0.5 0

Mile 0.5 0

10

7,9

12

12

10

6

10

3?

8

1

8

Martin L

Sydney

Wilson Cr

Calcite

Coldspring

Bear

Wallis

R

Cr

47°35'

80°35'

EXPLORATION D

Reference number is a
See listing in text page

Small area of explorati

File covers whole town

LAWSON TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

10

7,9

12

12

10

6

10

3?

8

1

8

Martin L.

Sydney

Wallis

Coldspring

Bear

47°35'

80°35'

EXPLORATION DATA FILE AREAS

- Reference number is always inside work area outlined. See listing in text pages.
- Small area of exploration
- File covers whole township or area

Ministry of
Northern Dev
and Mines

Ontario

ONTARIO GEOLOGI

PROPERTY LOCA

GEOLOGICAL DATA INVE

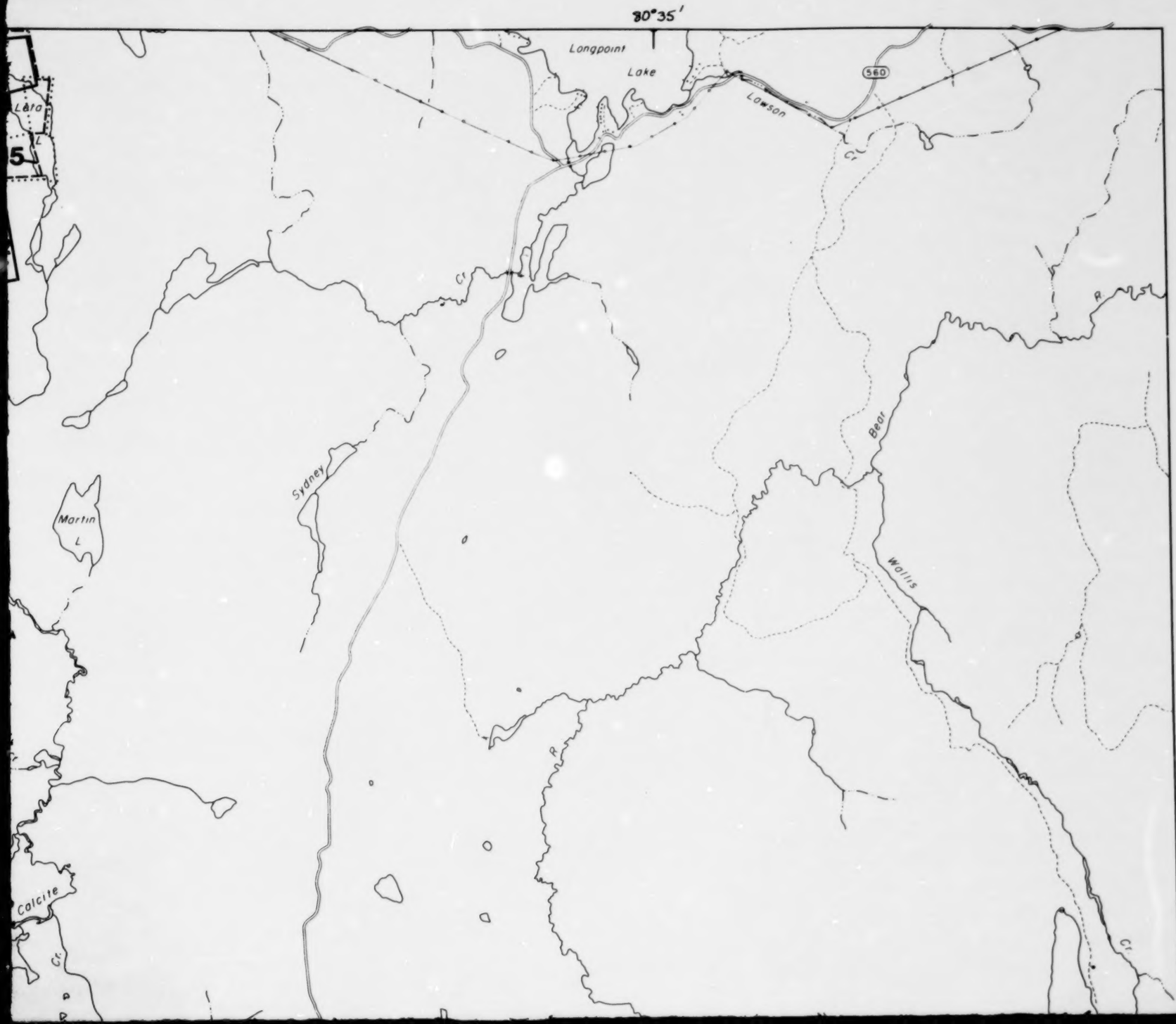
(Map 2 o

LAWSON TO

Scale 1:31

Kilometre 0.5 0

Mile 0.5 0



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Mines and Minerals Division

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 514

(Map 2 of 3)

LAWSON TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

(Map 2 o

LAWSON TO

Scale 1:31

Kilometre 0.5 0

Mile 0.5 0

Cr

Martin L

Sydney

Bear R

Wallis R

Wilson Cr

Calcite Cr

Coldspring Cr

Bear R

Cr

47°35'

80°35'

EXPLORATION DA

■ 1 6 Reference number is alwa
See listing in text pages.

□ x 4 Small area of exploration

□ ★ File covers whole townsh

(Map 2 of 3)

LAWSON TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

Martin L

Sydney

Bear

Wollis

Calcite

Coldspring

80°35'

47°35'

EXPLORATION DATA FILE AREAS

- Reference number is always inside work area outlined. See listing in text pages.
- Small area of exploration
- File covers whole township or area

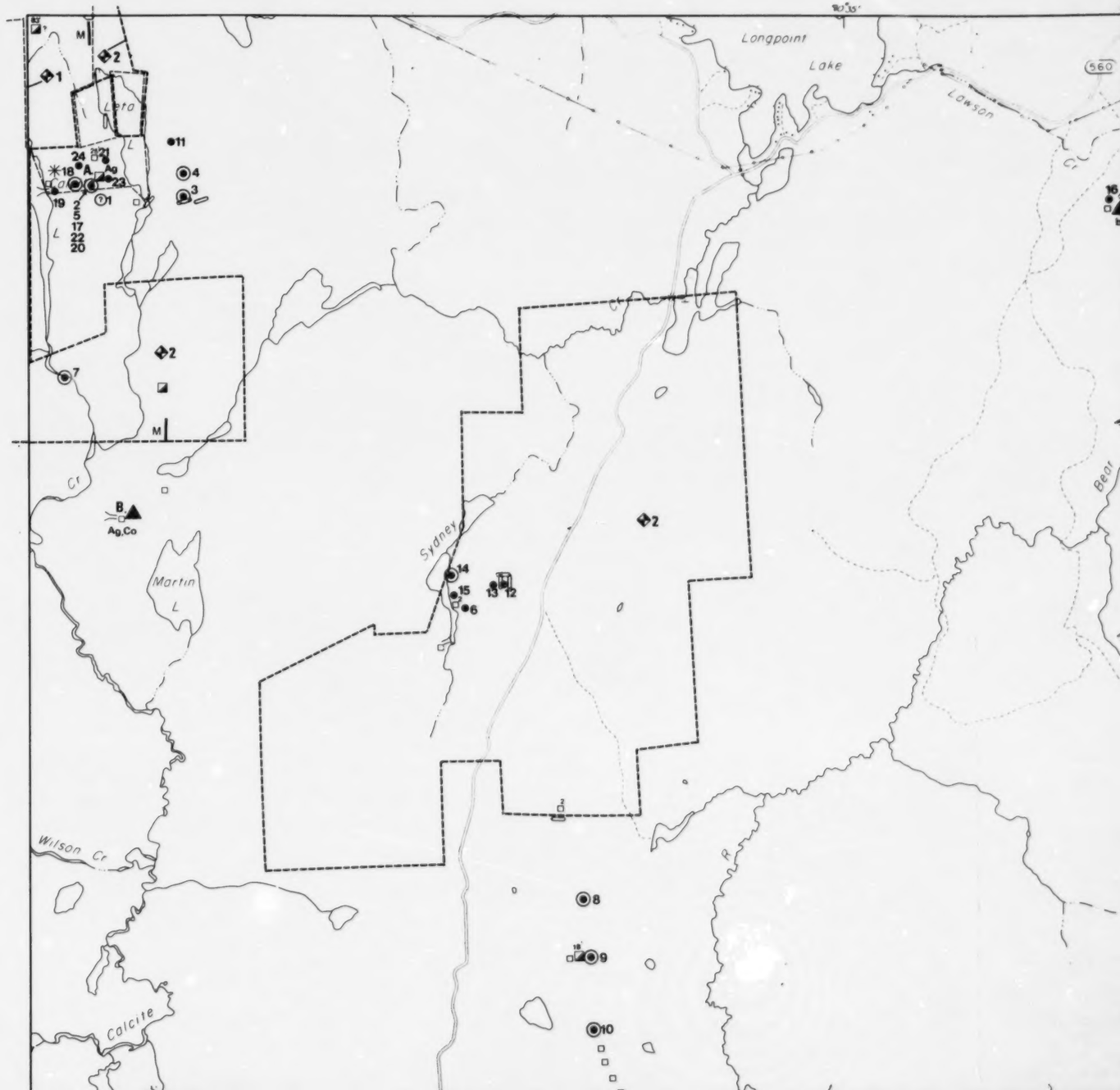
TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- Airborne magnetic anomaly
- Airborne electromagnetic anomaly
  Length of anomaly along flight line
- Airborne electromagnetic anomaly
  Location of anomaly along flight line
- Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- Airborne radiometric anomaly
- Ground magnetic anomaly
- Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal loop
  VLF - Very low freq.; Turam; JEM -
  Crone Em - 16)
- Ground radiometric anomaly
- Induced polarization anomaly
- Self potential anomaly
- Audio-frequency magnetic anomaly
  (total intensity)
- Resistivity anomaly
- Gravity anomaly



CHRONOLOGICAL DATA

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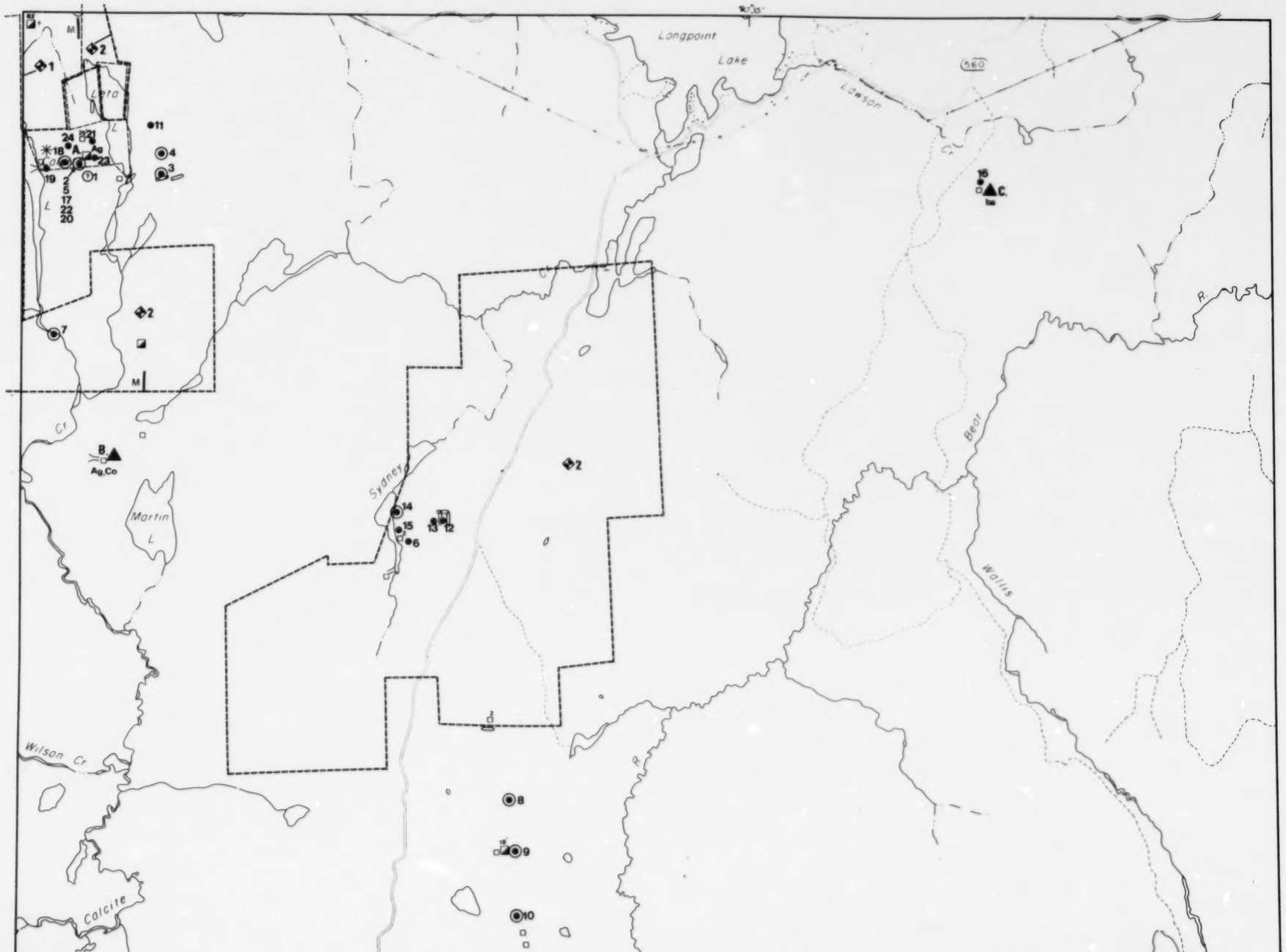

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and Mines
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ONTARIO GEOLOGICAL S

EXPLORATION DATA

GEOLOGICAL DATA INVENTOR

(Map 3 of 3)

LAWSON TOW

Scale 1:31 680

Kilometre 0.5 0 0.5

Mile 0.5 0 0.5

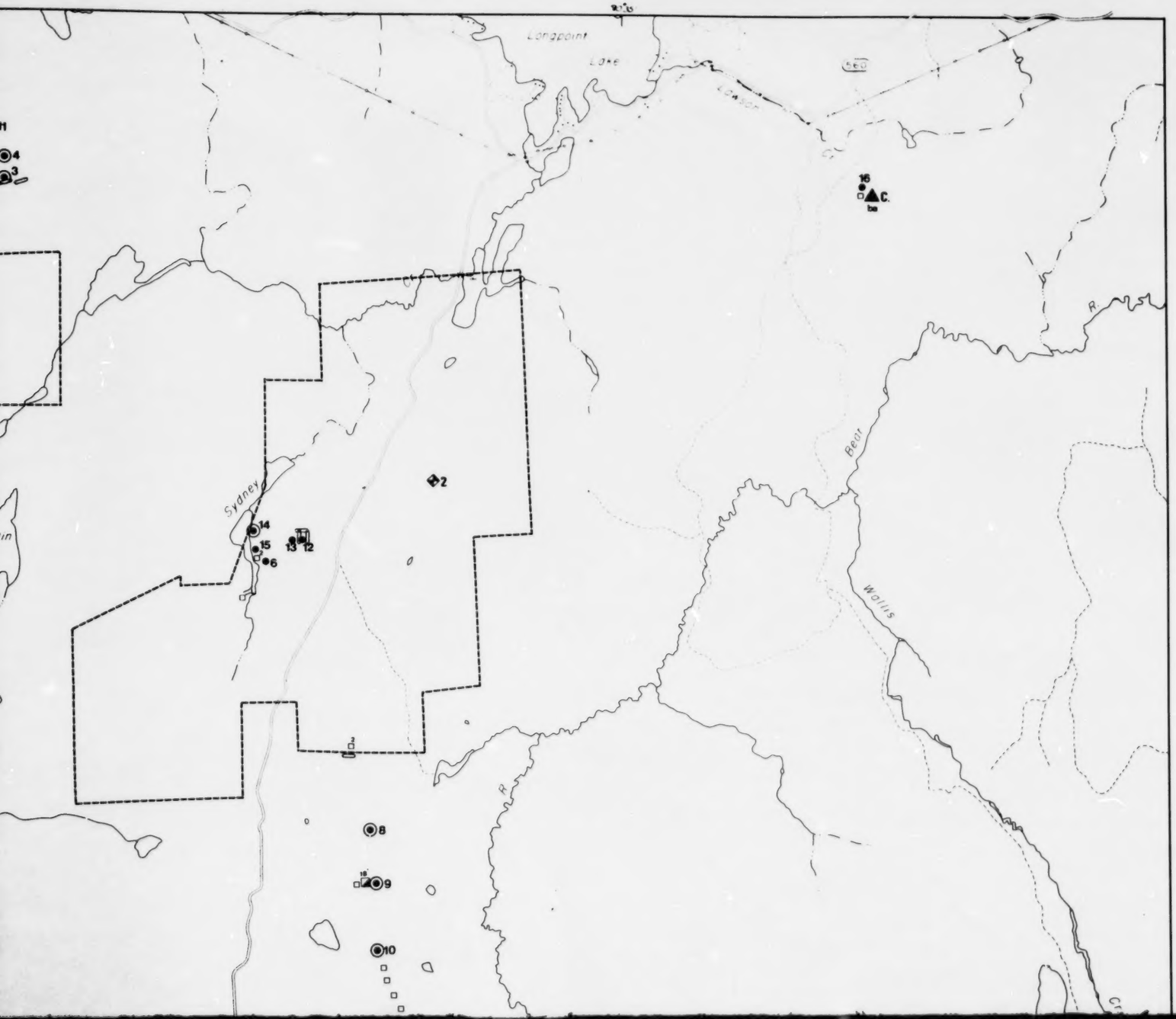
GEOLOGICAL AND MI

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCU

- Cp A. — Mineral occurrence at surfa
- Au A. 84' — Mineral occurrence with sh reference letter
- Ag A. — Mineral occurrence reporte with reference letter
- Cp A. — Mineralized float with refe
- A. — Mineral occurrence in drill and drillhole number

DRILLHO



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Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 514

(Map 3 of 3)

LAWSON TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- cp A. — Mineral occurrence at surface, with reference letter
- Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- Ag ? A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized float with reference letter
- A. — Mineral occurrence in drillhole, with reference letter, and drillhole number

DRILLHOLES

- 2 — Location of single drillhole, with reference number

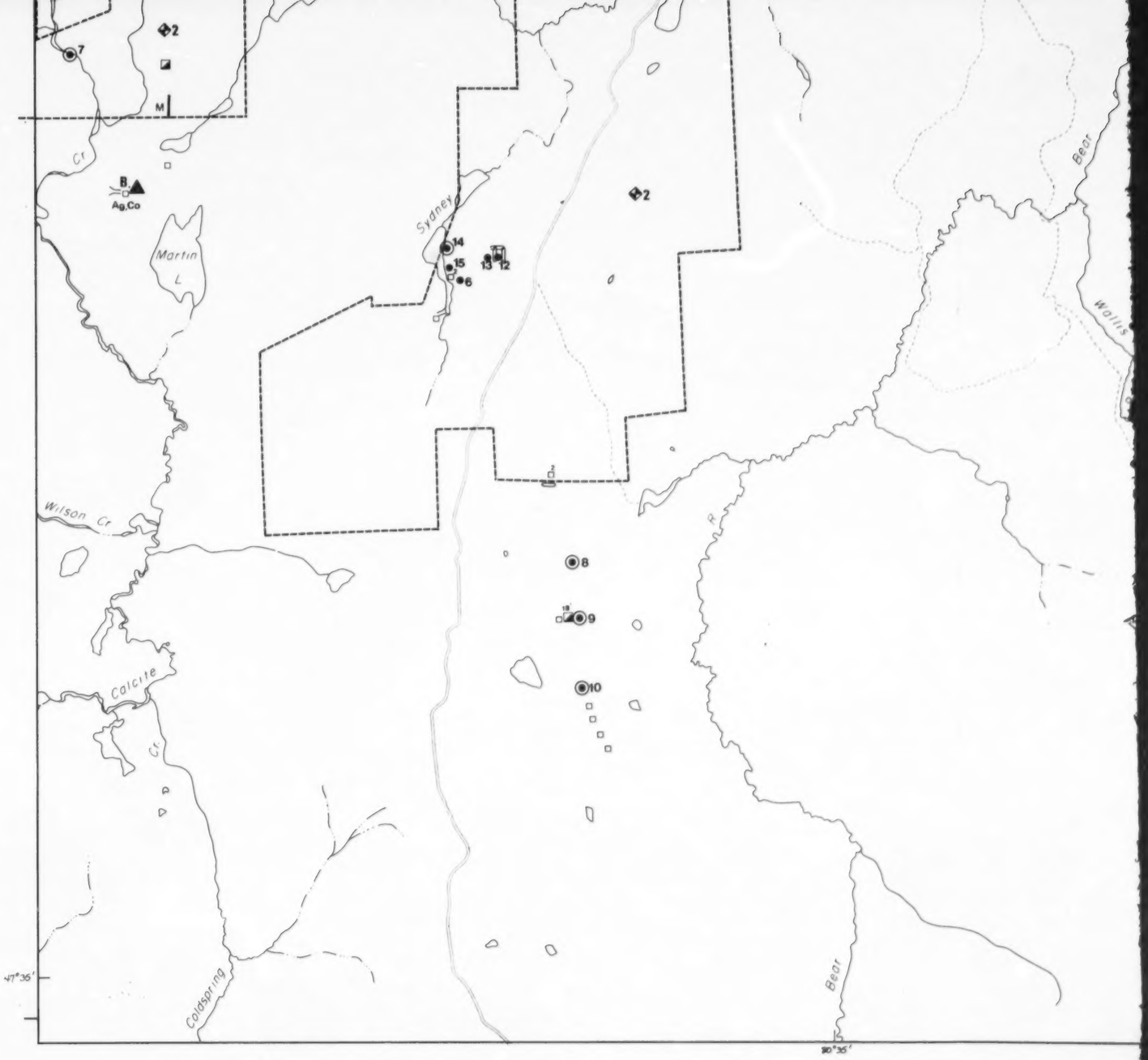
GEOPHYSICAL ANOMALIES

- ☐ AM — Airborne magnetic anomaly
- ☐ Airborne electromagnetic anomaly Length of anomaly along flight line
- ☐ Airborne electromagnetic anomaly Location of anomaly along flight line
- ☐ Airborne electromagnetic anomaly Conductor axis: definite, probable, possible
- ☐ ARA — Airborne radiometric anomaly
- ■ M — Ground magnetic anomaly
- ☐ VL — Ground electromagnetic anomaly (VL - Vertical loop; HL - Horizontal loop VLF - Very low freq.; Turam; JEM - Crone Em - 16)
- ☐ RA — Ground radiometric anomaly
- ☐ IP — Induced polarization anomaly
- ☐ SP — Self potential anomaly
- ☐ AFMAG — Audio-frequency magnetic anomaly (total intensity)
- ☐ R — Resistivity anomaly
- ☐ GR — Gravity anomaly

MISCELLANEOUS DATA

- ■ Trenching, pit
- ■ Adit
- ☐ Open pit
- ☐ Rock quarry
- ☐ Sand and/or gravel pit
- ■ Number of trenches or pits in a small area

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



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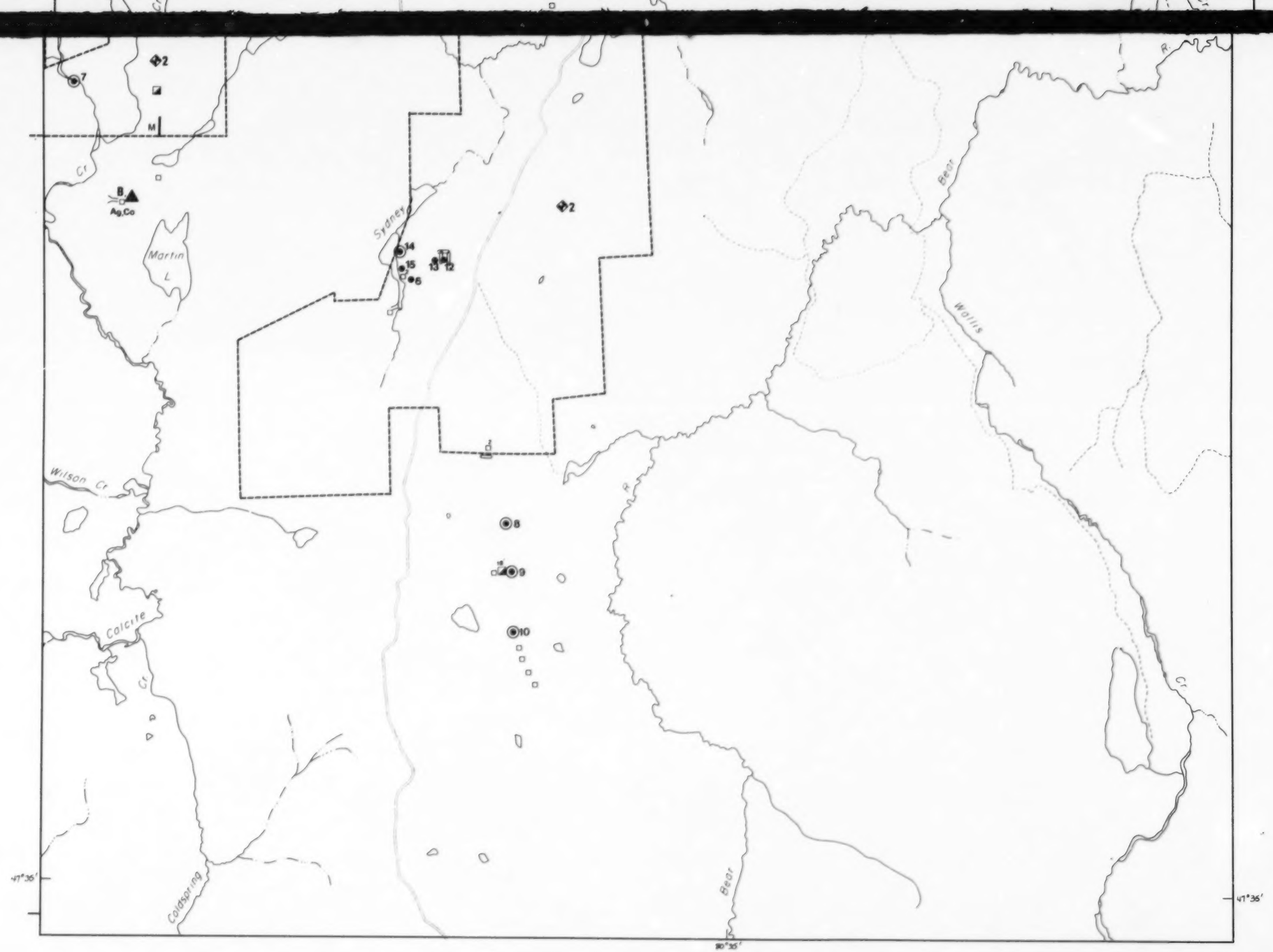
ATA

Rock quarry

Sand and/or gravel pit

Number of trenches or pits in a small area

this map for pertinent viations.



LAWSON TOW

Scale 1:31 680

Kilometre 0.5 0 0.5

Mile 0.5 0 0.5

GEOLOGICAL AND MINI

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MINERAL OCCURR

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- Au A. 84' — Mineral occurrence with shaft, reference letter
- Ag A. — Mineral occurrence reported bu with reference letter
- cp A. — Mineralized float with referenc
- A. — Mineral occurrence in drillhole and drillhole number

DRILLHOLES

- ●² — Location of single drillhole, wi
- ◉² — Location of closely spaced grou reference number
- (?)² — Drillhole, exact location uncert
- Property with underground dri with reference number
- ○² — Property with drillholes which with reference number
- ⊕² — Reverse circulation drillhole; ch number

LAWSON TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

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- Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized float with reference letter
- A. — Mineral occurrence in drillhole, with reference letter, and drillhole number

DRILLHOLES

- 2 — Location of single drillhole, with reference number
- 2 — Location of closely spaced group of drillholes, with reference number
- 2 — Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- 2 — Property with drillholes which have not been plotted on map, with reference number
- 2 — Reverse circulation drillhole; churn drilling, with reference number

Sydney

Martin L.

Bear R.

Wallis R.

Bear Cr.

Coldspring

Bear

47°36'

80°35'